



**Islamic Emirate of Afghanistan**  
**Ministry of Transport & Aviation**  
**Afghanistan meteorological Department**  
**Forecast Division**  
**Satellite General Management**



Daily reports of Satellite imagery analysis. Date & Time: 13/06/2025, 00:00 UTC, Number of reports: 1038

No	Region	Air Mass	Dust Storm	Thunder storm	Cloud	Fog	Water Vapor	Cyclone & Anticyclone	Jetstream	Comments
1	North	X	X	X	✓	X	√ weak	X	X	
2	South	✓	✓	X	X	X	√ dry	X	X	
3	West	✓	✓	X	X	X	√ dry	X	X	
4	East	X	X	✓	✓	X	√ moderate	X	X	
5	central	✓	X	X	✓	X	√ weak	X	X	
6	Northeast	✓	X	X	✓	X	√ moderate	X	X	
7	Southeast	✓	✓	X	X	X	√ weak	X	X	
8	Northwest	✓	✓	X	✓	X	√ weak	X	X	
9	Southwest	✓	✓	X	X	X	√ dry	X	X	

**Details:** According to satellite imagery analysis, the southern, western, central, northeastern, northwestern, southwestern and southeastern areas have worm air mass (High UTH). The southern, western, southeastern, northwestern and southwestern areas have dust. The eastern areas have thunderstorm. The northern, eastern, central, northwestern and northeastern have cloudy sky. The eastern and northeastern areas have moderate water vapor the southern, western, and southwestern areas are dry and the northern, central, northwestern, southeastern, areas have weak water vapor.

**Note:** X (Not existing phenomena), √ (exist phenomena)

- Reported by: Esmatullah Mohammadi

UTC : 2025-06-12 14:30

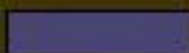
AirMass



Thick,  
high-level cloud



Thick,  
mid-level cloud



Thick,  
low-level cloud



Jet



Cold Airmass



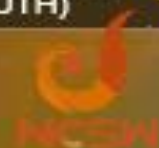
Warm Airmass  
(high UTH)



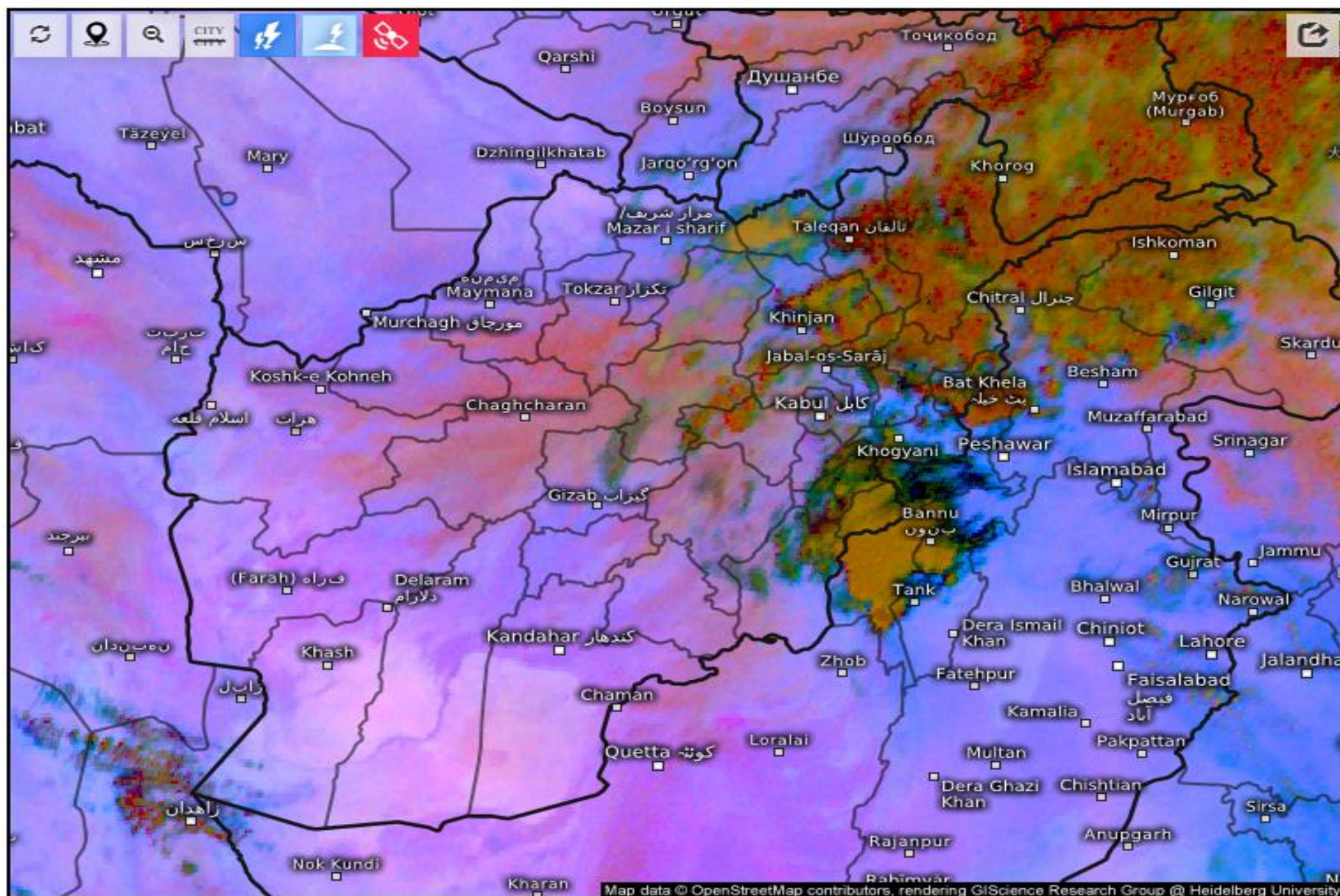
Warm Airmass  
(low UTH)

R=  
G=  
B=

FY-4B AirMass RGB Composite (From WMO)







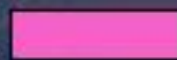
Satellite Dust 

Fri 06/13/2025, 04:00am GMT+0430



UTC : 2025-06-12 14:30

Dust



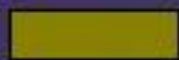
Dust



High-level cloud



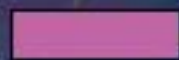
Thick,  
mid-level cloud



Thin,  
mid-level cloud



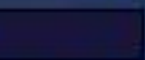
Ocean



Land



Low-level cloud



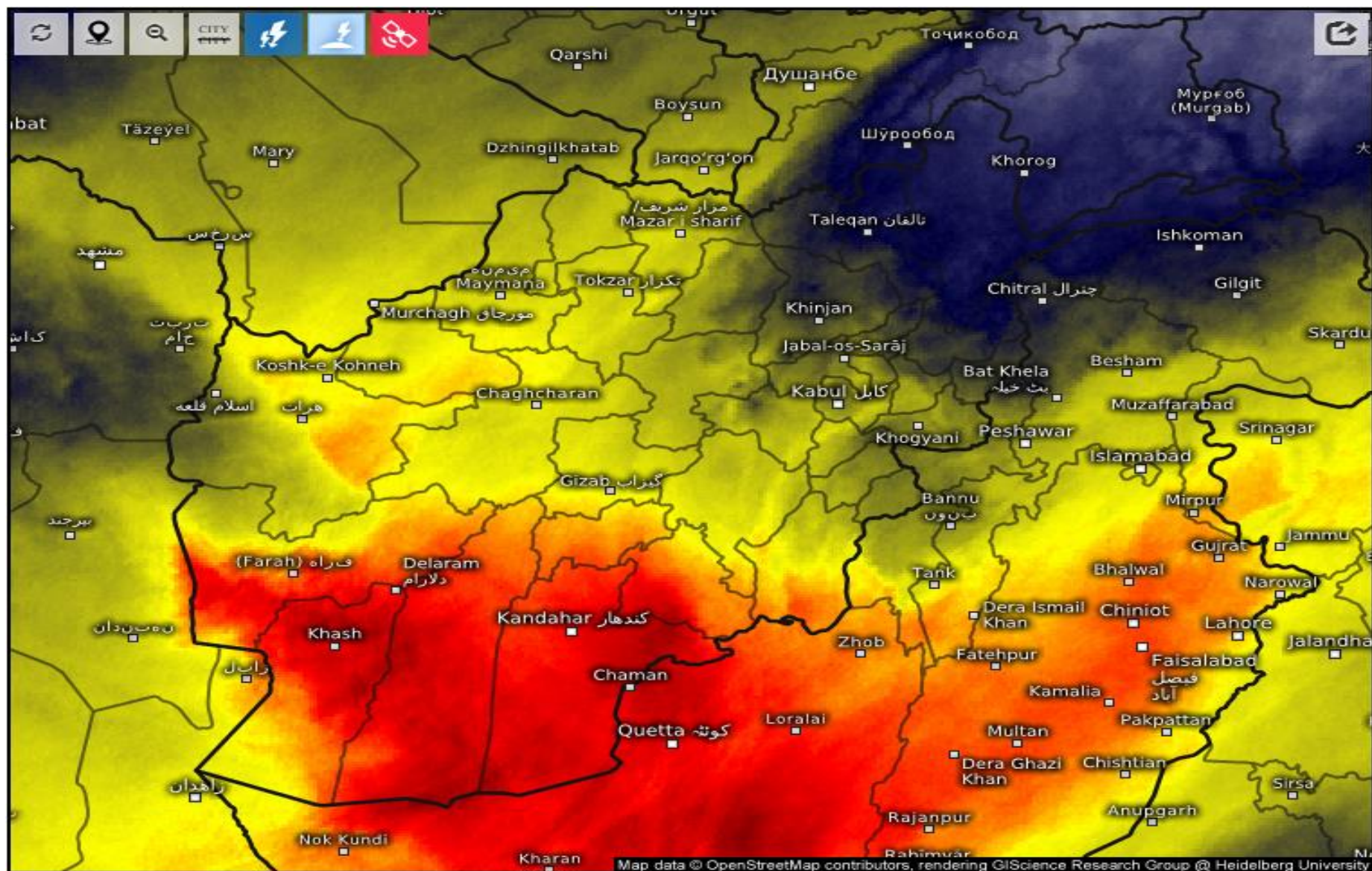
Cirrus

R = IR  
G = IR  
B = IR

FY-4B Dust RGB Composite (From WMO)

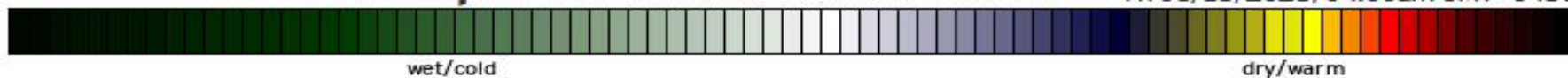






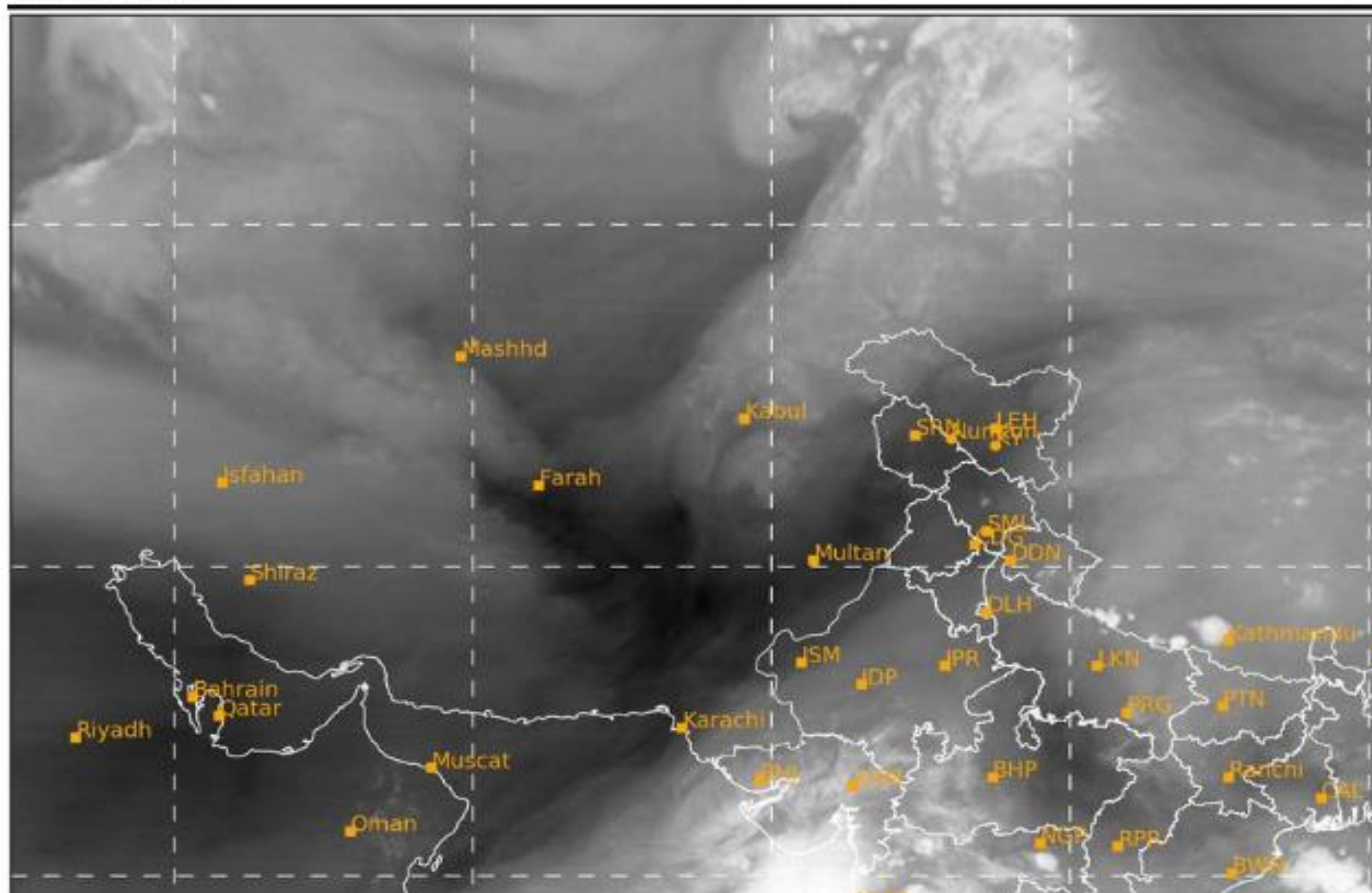
## Satellite Water Vapor

Fri 06/13/2025, 04:00am GMT+0430



SAT : INSAT-3DR IMG  
IMG\_WV 6.8 um  
L1C Mercator

12-06-2025/(2245 to 2312) GMT  
13-06-2025/(0415 to 0442) IST





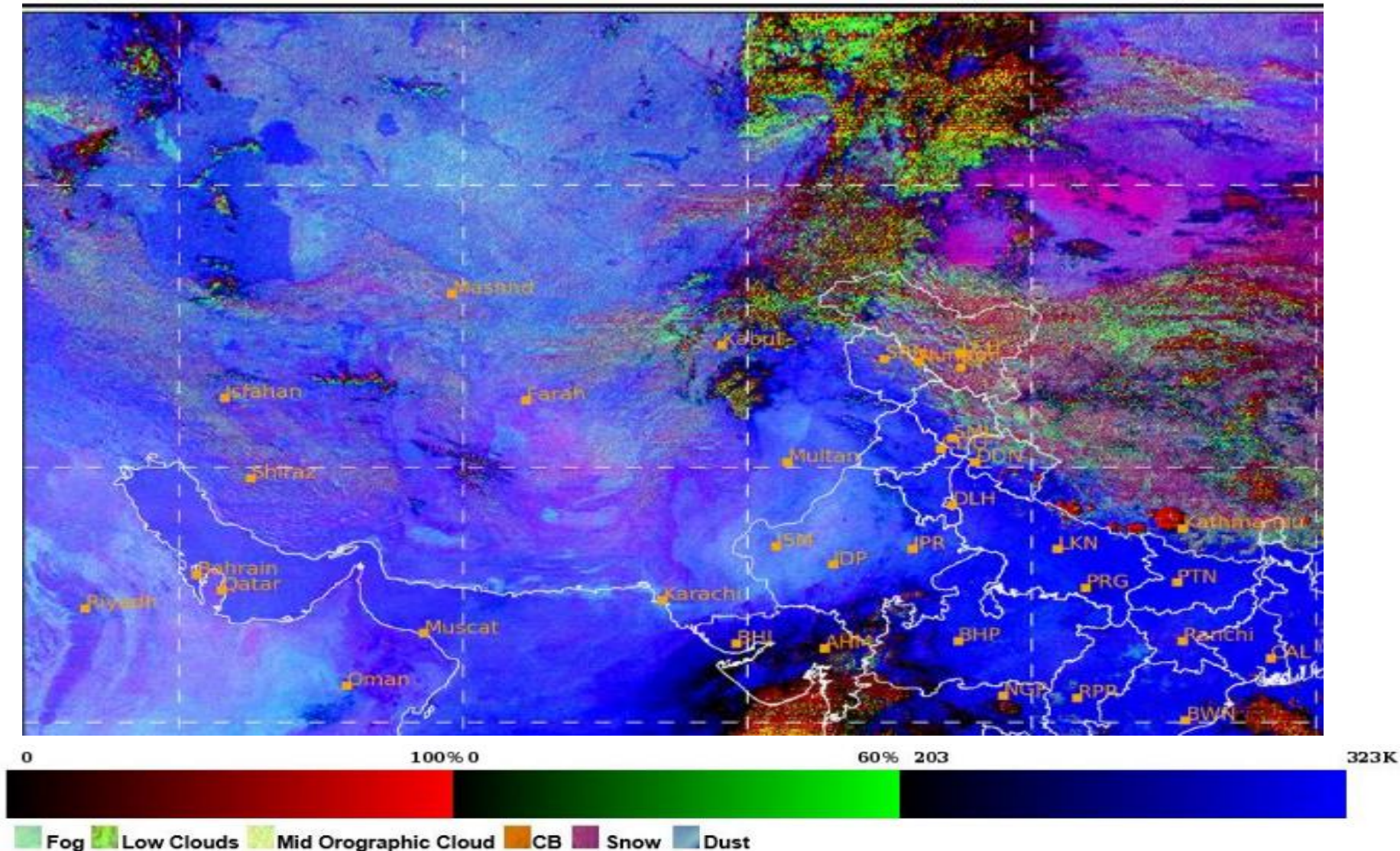
SAT : INSAT-3DR IMG

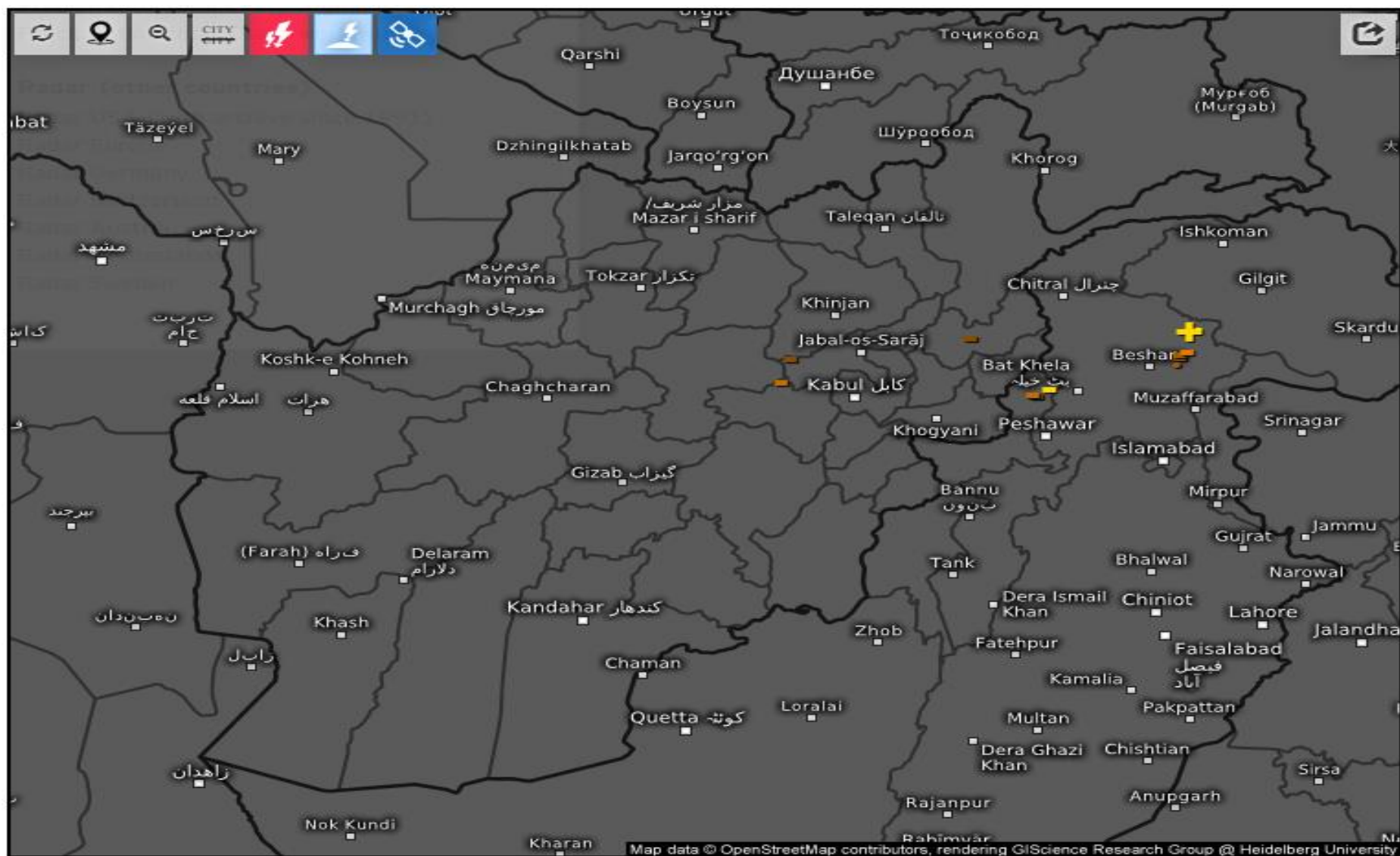
12-06-2025/(2245 to 2312) GMT

Night Microphysics: TIR2\_BT-TIR1\_BT (R), TIR1\_BT-MIR\_BT (G), TIR1\_BT (B)

L1C Mercator

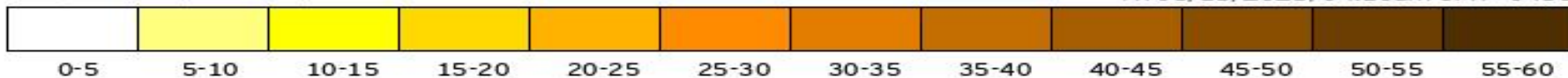
13-06-2025/(0415 to 0442) IST





Age of lightning (minutes) 

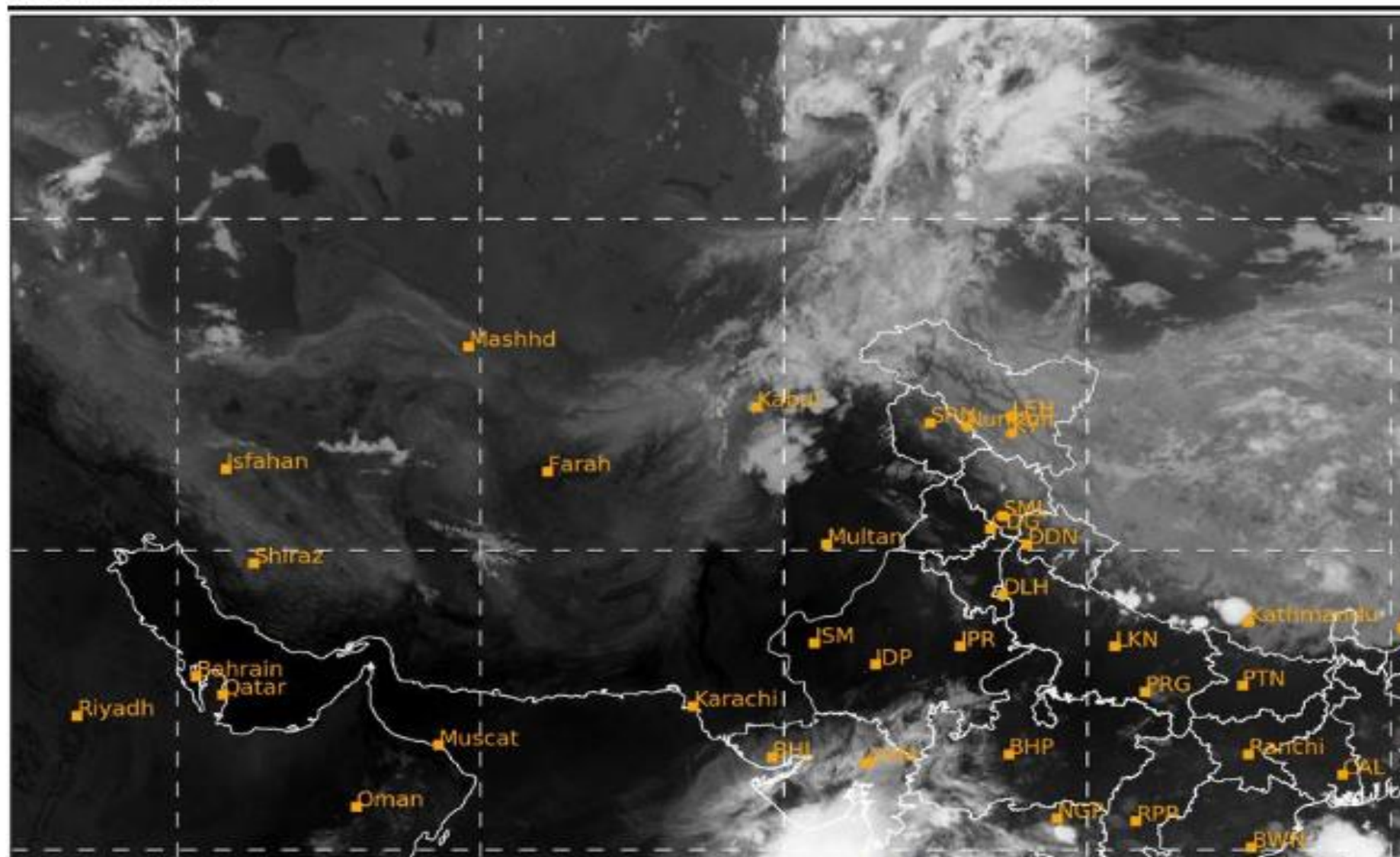
Fri 06/13/2025, 04:10am GMT+0430





SAT : INSAT-3DR IMG  
IMG\_TIR1 10.8 um  
L1C Mercator

12-06-2025/(2245 to 2312) GMT  
13-06-2025/(0415 to 0442) IST



## Live satellite map, Afghanistan





# Cloud Top Height

2025-06-12 23:15(UTC)

